

5.7.15 Major Residential and Small Commercial Appliance Lifetimes, Ages, and Replacement Picture

<u>Appliance Type</u>	<u>Typical Service Lifetime Range (years)</u>	<u>Average Lifetime (years)</u>	<u>2005 Average Stock Age (years)</u>	<u>Units to be Replaced During 2010 (1,000s)</u>
Refrigerators (1)	10 - 16	12	7.8	8,774
Freezers	8 - 16	11	11.3	2,420
Room Air Conditioners	7 - 13	9	6.5	5,575
Microwave Ovens	7 - 10	9	N.A.	13,446
Ranges(2)				
Electric	12 - 19	16	N.A.	4,171
Gas	14 - 22	17	N.A.	2,755
Clothes Washers	7 - 14	11	N.A.	6,835
Clothes Dryers				
Electric	8 - 15	12	N.A.	4,482
Gas	8 - 15	12	N.A.	1,307
Water Heaters				
Electric	4 - 20	13	8.1	4,052
Gas	7 - 15	11	8.1	4,934
Facsimile Machines	3 - 5	4	N.A.	3,133
Portable Computers	2 - 4	3	N.A.	31,600

Note(s): Lifetimes based on use by the first owner of the product, and do not necessarily indicate that the product stops working after this period. A replaced unit may be discarded or used elsewhere. 1) Standard-size refrigerators only. 2) Ranges include free-standing, built-in, high-oven and cooktop/oven combination units.

Source(s): Appliance Magazine, U.S. Appliance Industry: Market Share, Life Expectancy & Replacement Market, and Saturation Levels, January 2010, p. 10 for service and average lifetimes and units to be replaced; EIA, 2005 Residential Energy Consumption Survey, Apr. 2008, Table HC 2.6, Table HC 2.8 and Table HC 2.9 for average stock ages.